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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/758,348	01/12/2001	Rolf Kandl	2206.0019C	9312

7590

08/01/2003

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EXAMINER

CRAVER, CHARLES R

ART UNIT

PAPER NUMBER

2682

DATE MAILED: 08/01/2003

4

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.
09/758,348

Applicant(s)
Kaindl

Examiner
Charles Craver

Art Unit
2682



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on _____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3 and 5-16 is/are rejected.
- 7) ☒ Claim(s) 4 is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on Jan 12, 2001 is/are a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

*See the attached detailed Office action for a list of the certified copies not received.

- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s). 2 6) ☐ Other:

Art Unit: 2682

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 5-7 and 10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

3. Claim 5 recites the limitation "the bursts" in line 1. There is insufficient antecedent basis for this limitation in the claim.

4. Regarding claims 6 and 10, the phrase "and/or" renders the claim(s) indefinite because the claim(s) include(s) elements not actually disclosed (those encompassed by "and/or"), thereby rendering the scope of the claim(s) unascertainable. See MPEP § 2173.05(d).

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Art Unit: 2682

6. Claims 1-3, 5, 6, 8-13, 15 and 16 are rejected under 35 U.S.C. 102(b) as being anticipated by Lemke et al, US Pat 5,398,276.

Claims 1, 2 and 11: Lemke discloses a test equipment and method for calibrating said cellular test equipment (1, col 10 lines 4-48), comprising

sampling at least a portion of data between a base station and mobile stations (col 18 lines 3-44), and based on measured data, calibrating the device, including determining a reference frequency (col 18 line 45-col 19 line 3), wherein the test equipment passively listens to said base-mobile communications (col 10 lines 49-62).

Claim 3: the stream of information would inherently be periodical, since it flows according to a given frequency.

Claim 5: since Lemke discloses sampling any data, such would inherently include data establishing the connection. **Claim 6:** the reference is determined electrically (col 18 line 45-col 9 line 3). **Claim 8:** since the invention of Lemke may be used at any time, such a situation in which the measurements are taken after a particular mobile has established a synchronization with the base station, would be an inherent possible scenario in Lemke. **Claim 9:** a mobile station must inherently be registered (booked) to the network prior to establishing communications between it and the base station. **Claim 10:** Lemke discloses an antenna for said listening (20).

Claims 12, 13 and 16: Lemke discloses a test equipment and method for calibrating said cellular test equipment (1, col 10 lines 4-48), comprising

Art Unit: 2682

sampling at least a portion of data between a base station and mobile stations (col 18 lines 3-44), and based on measured data, calibrating the device, including determining a reference frequency (col 18 line 45-col 19 line 3), wherein the test equipment passively listens to said base-mobile communications (col 10 lines 49-62). **Claim 15:** Lemke discloses a real-time display (8, col 16 line 55-col 17 line 55).

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lemke as applied to claim 1 above.

While disclosing applicant's invention of claim 1 above, Lemke fails to disclose an asynchronous mode. However, the use of either a synchronous or asynchronous mode in a radio communicator device was notoriously well-known in the art at the time of the invention, and as such the examiner takes Official Notice of such a feature, asserting that it would have been obvious to one of ordinary skill in the art at the time of the invention to use either a synchronous or asynchronous mode in order to match a synchronous or asynchronous network.

Art Unit: 2682

9. Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lemke as applied to claim 12 above.

While disclosing applicant's invention of claim 12 above, Lemke fails to disclose a quartz oscillator, however, given that the use of such was notoriously well known in the art at the time of the invention, the examiner takes Official Notice of such a feature, asserting that it would have been obvious to one of ordinary skill in the art at the time of the invention to use a quartz oscillator as they are accurate and plentiful.

Allowable Subject Matter

10. Claim 4 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim 4 teaches towards a method for passively listening to cellular communication bit streams between a mobile and a base station and sampling and compiling data for calibrating a reference frequency thereby, wherein the calibration includes a step of measuring the frequency errors of the bit streams and minimizing such in order to calibrate the aforementioned reference frequency.

Art Unit: 2682

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Seike, Croucher, Swift, Kim and Kim disclose means for measuring cellular system characteristics.

Rankin, Strayer, Kibria, Pekkarinen, Bowyer, and Gould disclose remote units for measuring cellular system characteristics.

Martin discloses cellular system characteristics.

12. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314, (for formal communications intended for entry)

Or:

(703) 872-9314 (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington VA, sixth floor (receptionist).

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles Craver whose telephone number is (703) 305-3965.

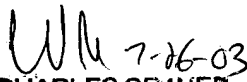
Art Unit: 2682

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chin, can be reached on (703) 308-6739.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4700.

cc

C. Craver
July 26, 2003


CHARLES CRAVER
PATENT EXAMINER